

**Abstract**

The invention relates to a method and furthermore a device from the examination of cavities, in particular an eye, by means of laser scanning. The aim of the invention is to carry out further investigations, above all with respect to possible diseases. Said aim is achieved, whereby the determination of the cavity wall thickness, in particular of retinal cavities is carried out. The external diameter and the internal diameter are determined by scanning doppler laser and the wall thickness determined from the data recorded thus.